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United States Department of Agriculture

TEAMS Enterprise Unit

Geospatial Analysis and Modeling

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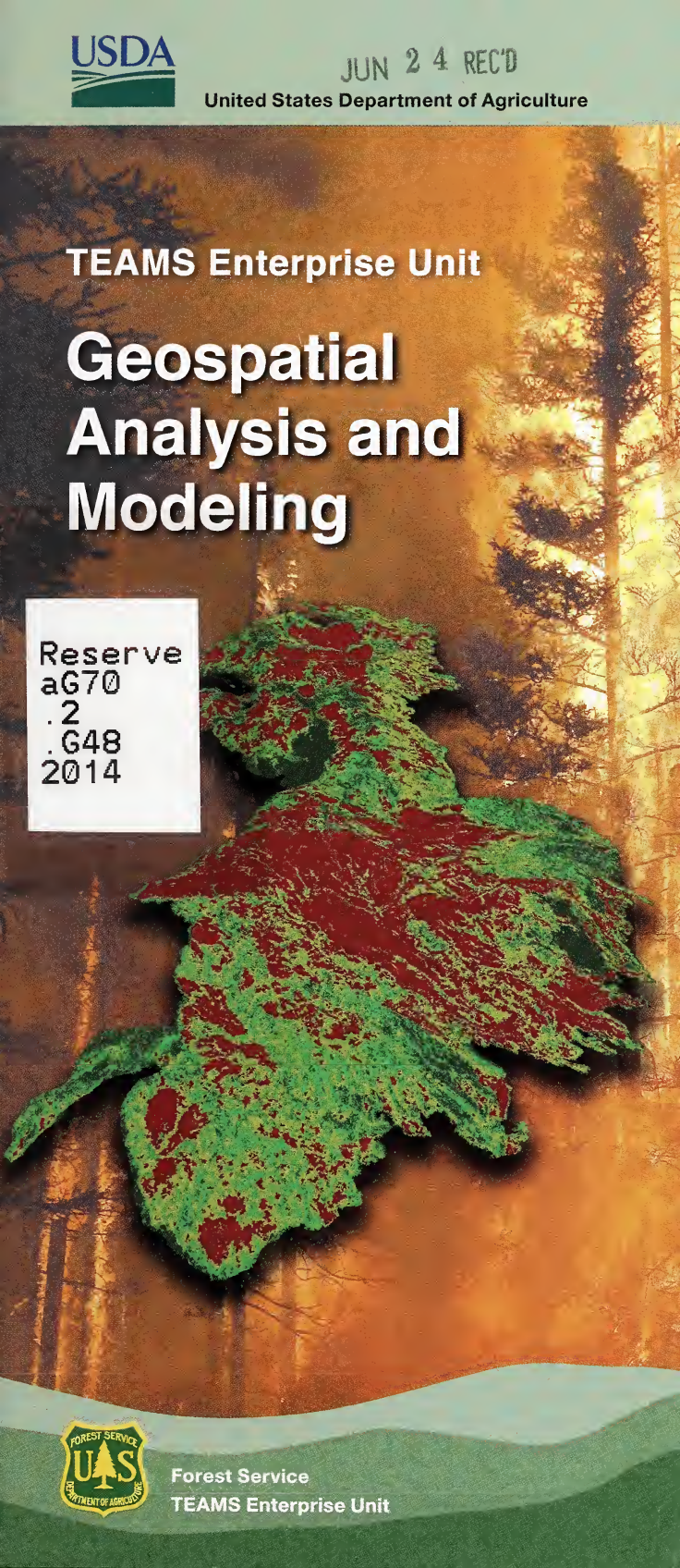
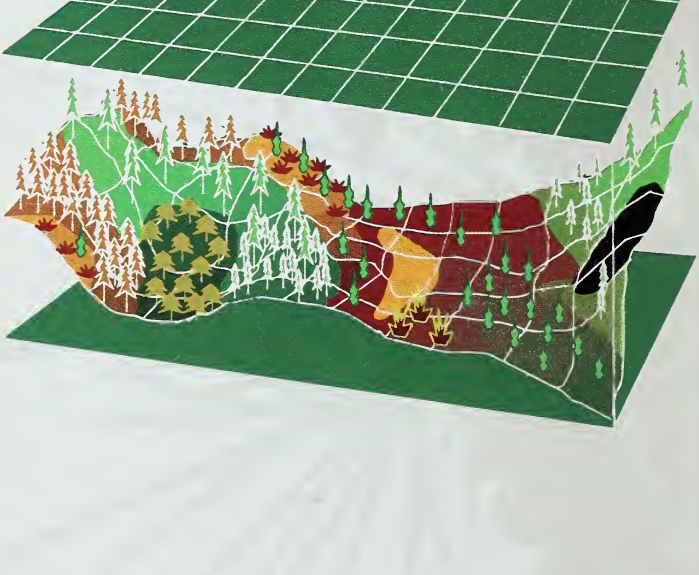


Forest Service
TEAMS Enterprise Unit

What Is Geospatial Analysis and Modeling?

Geospatial analysis and modeling refer to a set of techniques used to describe, examine, and predict geographic objects, patterns, events, and processes. Simply put, geospatial analysis and modeling provide information about *what* happens *where*. TEAMS resource professionals conduct geospatial analysis and modeling to provide critical information for land and resource management planning.



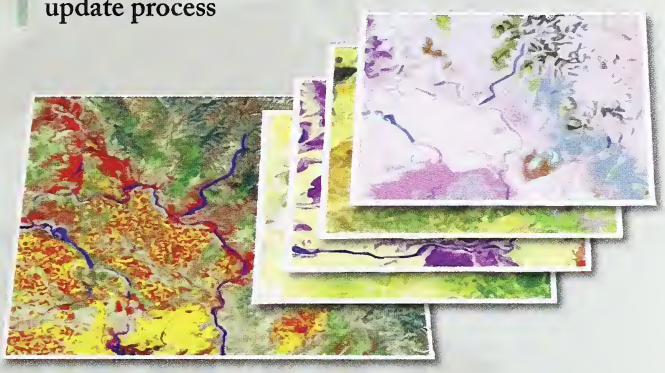
TEAMS can provide a qui

What Analysis and Modeling Services Can TEAMS Provide?

LANDFIRE Data Critique and Update

The **LANDFIRE** program (landfire.gov) provides comprehensive, "wall-to-wall" geospatial data of vegetation, fuel, and fire regime characteristics for the United States. TEAMS offers:

- Facilitation of **LANDFIRE** data critique and update workshops at your local unit
- Training on **LANDFIRE** data critique and update process



Vegetation and Fire Regime Departure Assessment

Ecosystems are dynamic, constantly changing over time, with complex interactions among climate, vegetation, natural disturbance, and land use practices.

TEAMS can design and conduct assessments to:

- Describe the status of key ecosystem characteristics
- Assess the effects of management strategies on ecosystem restoration

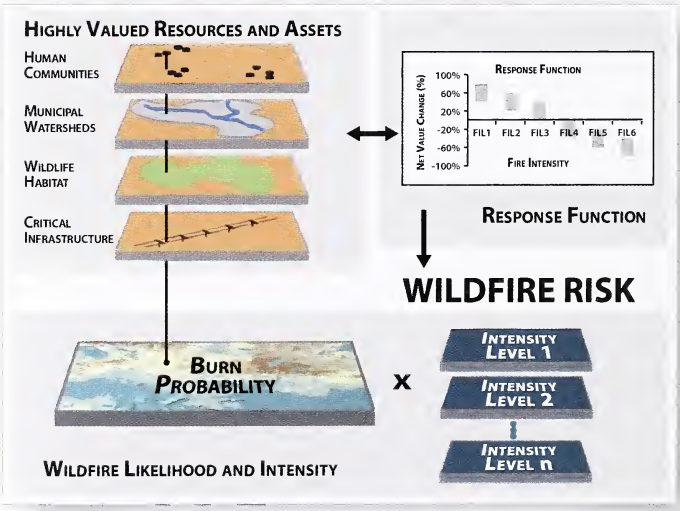
response to meet your Geospatial Ana

Wildfire Hazard and Risk Assessment

Wildfire hazard refers to the potential of the wildfire environment—fuel, weather, topography, and ignitions—to cause harm or damage. Wildfire risk analyzes the likelihood resources and assets are exposed to wildfire, and the magnitude of effects—both negative and positive—from that exposure.

TEAMS can design and conduct wildfire hazard and risk assessments to:

- Characterize wildfire hazard across a landscape
- Identify which resources and assets are most threatened or benefited by wildfire
- Map "firesheds" to provide information about where on the landscape fire starts are likely to result in the greatest fire effects—both positive and negative



And More...

TEAMS resource professionals can design custom analysis and modeling strategies to meet your particular land and resource management needs. Contact us for a free consultation.

ysis and Modeling needs.

About TEAMS Enterprise Unit

TEAMS Enterprise Unit has been part of the Forest Service Enterprise Program since 1998. We are a workforce of highly skilled Forest Service employees who support and serve our agency as well as other Federal, State, and local government agencies across the United States. We receive no appropriated funding and function in a business model to provide a unique resource to our partners. We are motivated and here to help you meet your geospatial analysis and modeling needs. Contact us today!

Contact us for a free consultation

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Meet our employees and learn more about TEAMS Enterprise at http://www.fs.fed.us/teams

We are Forest Service employees who understand your forest management goals and objectives. We are here to help you accomplish your work.

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